

EBKARO CY TDT102Z

EBKARO CY TDT102Z 400W Folding Electric Bike User Manual

Model: TDT102Z

1. INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your EBKARO CY TDT102Z 400W Folding Electric Bike. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize the lifespan of your electric bike. Retain this manual for future reference.

Safety Guidelines

- Always wear a helmet and appropriate safety gear when riding.
- Familiarize yourself with local traffic laws and regulations.
- Perform a pre-ride inspection before each use, checking brakes, tires, and battery level.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in adverse weather conditions or on excessively rough terrain.
- Ensure the bike is properly folded and secured when transporting.

2. PRODUCT OVERVIEW

The EBKARO CY TDT102Z is a 400W folding electric bike designed for adult commuters and leisure riders. It features a robust design with a focus on portability, comfort, and performance.

Key Features:

- **Motor:** 400W high-performance motor.
- **Battery:** 48V 15Ah removable lithium battery.
- **Tires:** 14-inch puncture-resistant tires.
- **Suspension:** Quadruple suspension system (mid-mounted, hydraulic, dual-spring seat, riser spring).
- **Frame:** High-strength carbon steel frame.
- **Display:** Smart LCD display showing speed, battery level, mileage, and riding mode.

- **Riding Modes:** 3 selectable speed modes (M1, M2, M3).
- **Portability:** Compact folding design (27×17×26 inches) and lightweight (55 lbs).
- **Comfort:** Thickened sponge seat, adjustable seat and handlebar.
- **Safety:** Integrated headlight.
- **Convenience:** Built-in USB charging port.

3. SETUP AND INITIAL PREPARATION

Your EBKAROXY TDT102Z electric bike arrives 95% pre-assembled. Follow these steps for final setup and initial preparation:

1. **Unpacking:** Carefully remove the bike from its packaging.
2. **Unfolding:** Follow the instructions in the separate quick-start guide to safely unfold the bike. Ensure all locking mechanisms are securely engaged.
3. **Handlebar Adjustment:** Adjust the handlebar height to a comfortable riding position and secure it.
4. **Seat Adjustment:** Adjust the seat height to allow for a slight bend in your knee when your foot is at the bottom of the pedal stroke. Secure the seat post clamp firmly.
5. **Initial Battery Charge:** Before the first ride, fully charge the removable 48V 15Ah battery. Connect the charger to the battery and then to a power outlet. The indicator light on the charger will change when fully charged.
6. **Tire Pressure Check:** Verify that the tires are inflated to the recommended pressure, typically found on the tire sidewall.
7. **Brake Check:** Test both front and rear brakes to ensure they are functioning correctly and provide adequate stopping power.
8. **General Inspection:** Check all bolts, nuts, and quick releases to ensure they are tight and secure.

4. OPERATING INSTRUCTIONS

Powering On/Off

- **To Power On:** Press and hold the power button on the LCD display for a few seconds. The display will illuminate.
- **To Power Off:** Press and hold the power button again until the display turns off.

Riding Modes

The EBKAROXY TDT102Z offers 3 selectable speed modes (M1, M2, M3) to suit different riding conditions. Use the mode selection button on the display to cycle through these options:

- **M1 (Eco Mode):** Provides minimal motor assistance, ideal for longer ranges or light exercise.
- **M2 (Standard Mode):** Offers balanced motor assistance for general commuting and cruising.
- **M3 (Sport Mode):** Delivers maximum motor power for quicker acceleration and tackling inclines.

LCD Display Functions

The smart LCD display provides real-time information:

- **Battery Level:** Indicates the remaining charge of the battery.
- **Current Speed:** Shows your current riding speed.
- **Mileage:** Displays trip distance or total odometer reading.
- **Riding Mode:** Shows the currently selected assistance level (M1, M2, or M3).

USB Charging Port

A built-in USB charging port allows you to charge your mobile devices while riding. Locate the port on the display or battery housing and connect your device using a compatible USB cable.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your EBKAROCY TDT102Z electric bike.

General Care:

- **Cleaning:** Wipe down the bike with a damp cloth after each ride. Avoid using high-pressure washers directly on electrical components.
- **Storage:** Store the bike in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for extended periods, ensure the battery is partially charged (50-70%).

Component-Specific Maintenance:

- **Tires:** Regularly check tire pressure and inspect for wear or damage. The 14-inch puncture-resistant tires offer enhanced durability, but proper inflation is crucial.
- **Brakes:** Inspect brake pads for wear and ensure brake levers operate smoothly. Adjust brake tension as needed.
- **Chain:** Keep the chain clean and lubricated to ensure smooth operation and prevent rust.
- **Suspension:** Periodically check the quadruple suspension system (mid-mounted, hydraulic, dual-spring seat, riser spring) for proper function and any signs of damage.
- **Fasteners:** Periodically check and tighten all bolts, nuts, and quick releases.
- **Battery:** Refer to the "Battery Information" section for specific care instructions.

6. BATTERY INFORMATION

Your EBKAROCY TDT102Z is equipped with a 48V 15Ah removable lithium battery, providing a range of up to 32 miles (actual range may vary based on terrain, rider weight, and assistance level).

Charging:

- Always use the original charger provided with your bike.
- The battery can be charged while installed on the bike or removed.
- Connect the charger to the battery charging port, then plug the charger into a standard wall outlet.
- Charging time typically ranges from 4-6 hours for a full charge.
- Do not leave the battery charging unattended for extended periods.

Battery Care:

- Avoid completely draining the battery. Recharge it regularly.
- Do not expose the battery to extreme temperatures (below 0°C or above 40°C).
- If the battery will not be used for an extended period, charge it to 50-70% and store it in a cool, dry place. Recharge every 2-3 months.
- Do not attempt to open or modify the battery pack.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your EBKAROCY TDT102Z electric bike.

For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
Bike does not power on.	Battery is dead or not properly connected.	Ensure battery is fully charged and securely seated. Check power button connection.
Motor not assisting.	Low battery, incorrect riding mode, or sensor issue.	Charge battery. Select an appropriate riding mode (M1, M2, M3). Check for any loose cable connections to the motor or sensors.
Short battery range.	Riding in high assistance mode, heavy load, uphill terrain, or low tire pressure.	Use lower assistance modes. Ensure tires are properly inflated. Reduce load if possible.
Brakes feel weak.	Worn brake pads or loose brake cable.	Inspect and replace brake pads if worn. Adjust brake cable tension. Consult a professional if unsure.

8. SPECIFICATIONS

Feature	Detail
Model Name	TDT102Z
Motor Power	400W
Battery	48V 15Ah Removable Lithium Battery
Max Speed	22 KPH (approximately 13.7 MPH)
Max Range	Up to 32 miles (51.5 km)
Wheel Size	14 Inches
Tire Type	Puncture-resistant
Frame Material	High-strength Carbon Steel
Suspension Type	Quadruple (Mid-mounted, Hydraulic, Dual-spring seat, Riser spring)
Brake Style	Disc
Folded Dimensions	27 × 17 × 26 inches
Item Weight	55 lbs (24.9 kg)
Maximum Weight Recommendation	330 Pounds (150 kg)
Assembly Required	Yes (95% pre-assembled)
Age Range	Adult

9. WARRANTY AND SUPPORT

Warranty Information:

EBKARO CY provides a **90-day warranty** for your electric bike, covering manufacturing defects. This warranty includes free replacement parts for eligible issues. Please retain your proof of purchase for warranty claims.

Warranty Type: Limited Manufacturer Warranty

Warranty Description: 3 months

Customer Support:

For any questions, technical assistance, or warranty claims, please contact EBKARO CY customer support. Our dedicated team is available to ensure your satisfaction.

Please refer to the contact information provided on the EBKARO CY official website or your purchase documentation.